



Tour overview

As a nation we are facing one of the biggest challenges of our time; to maintain and sustain water supplies for tomorrow's Australia. This tour will begin by looking at the innovative integration of diverse water resources in small and large communities across Australia, before heading to Singapore for International Water Week: "Exploring sustainable water solutions for cities".

Urban water resources are becoming scarce and will not meet future demands, especially if the quality of life expected by the increasing population is to be met. Forecast population growth and the expansion of current metropolitan areas are compounding the impacts of climate change. Some of the emerging questions that are particularly relevant for Australia are:

- How do we manage integration of sustainable supplies?
- What sources of water are available and how can they be cost effectively utilised and managed sustainably?
- What opportunities do greenfield developments present in terms of demonstrating the integration of water supplies and how do we maximise sustainable outcomes?
- With the push for sustainable water resource management and water sensitive urban design, how can alternative water sources be integrated into our existing systems, whilst complying with an increasingly carbon constrained world?
- Is seawater desalination an insurance policy only? If so, what is the premium for this insurance?
- What impact do decentralised modes of water supply (i.e. greywater and rainwater) have on communities, urban catchment management and infrastructure planning?
- Will managed aquifer recharge and stormwater harvesting play an increasingly prevalent role in providing water security for many major cities?

This study tour will provide participants with a wealth of first-hand knowledge and insight gained from meeting with a suite of experts with extensive experience in integration of water supplies. Through site visits and dinner speakers participants will view, talk and dine with some national and international experts in their field; from both government and private industry.

Integrated Water Supply Solutions

IWA Study Tour 2010
Recycled, desalinated, storm, ground and reservoir water.

Contact:

For further information:

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www.recycledwater.com.au/studytours



Melbourne, Adelaide, Perth,
Darwin, Singapore.

15th – 26th June, 2010



Dates: 15th to 26th June 2010*

The study tour commences with a welcome dinner and introduction to the tour in Melbourne on the evening of the 15th of June and ends at the International Water Week (SIWW) conference in Singapore.**

*Dates may vary slightly depending on 2010 flight Schedules.

** Costs of attending the Singapore Water Week programs and events are not included in this tour, although **return flights from Singapore are included.**

Cost of Tour Package

Package includes flights, tour activities and transportation; accommodation and meals; comprehensive pre trip planning documentation and post trip report.

Special discounted price for IWA Members

Economy single = \$9,750 + GST

Non IWA Members

Economy single = \$10,250 + GST

For information about business class packages please contact Arris on 03 9421 1701.

Don't Miss Out! Places on this tour are limited!

To ensure a position on the tour and flight availability:

- Registration forms must be submitted by the 5th March 2010.
- A deposit must be received by 15th March 2010.
- Full payment must be received by the 19th March 2010.

See www.recycledwater.com.au/studytours/iwatour to download the form and complete to express interest in participating on this study tour.

Enquiries:

For further information see:

<http://www.recycledwater.com.au/studytours/iwatour>

To discuss the tour or alternative arrangements please contact

Arris:

t: (03) 9421 1701 e: tours@arris.com.au

This tour provides insight into the future of water supply management:

- Strategies for the provision of water security in the face of climate change and uncertainty.
- Incorporation of water sensitive urban design principles, addressing the environmental impacts of integrating water supplies and developing appropriate alternative energy solutions.
- Understanding urbanised landscapes as water catchment areas, and harnessing the diversity of water supplies in light of competing demands for water of varying quality and volumes.
- Managing impacts of modified water signatures (a consequence of desalinated water) in a water grid on infrastructure and water quality.
- Water quality challenges associated with capacity management and the blending of a variety of scarce water sources.
- Communication and customer service challenges, issues and opportunities relating to public relations, community engagement, customer perceptions, education and uptake.



Itinerary highlights

Melbourne (introductory evening)

The tour starts with a welcome dinner setting the scene for the tour including a tour overview and a presentation on the status of Melbourne's desalination project and how it supports an integrated water supply offering, along with associated carbon offset considerations.

Adelaide (3 days)

Examine the variety of options used by the driest state in the driest continent to manage water scarcity such as water sensitive urban design to support stormwater capture and the use of wetlands to treat captured stormwater prior to 3rd pipe delivery to nearby households; delivery of recycled water into the CBD through retrofitting of dual pipes for municipal irrigation and to relieve potable water demands in inner city buildings.

Explore water grid management issues associated with the introduction of desalinated water to the grid and how the issues associated with changes in water quality signatures are to be overcome.

Perth (3 days)

Gain insight into strategies to provide water security in the face of climate uncertainty. Visit managed aquifer recharge projects including the latest ground water replenishment trial, and see rapid infiltration basins in operation. Visit Perth's desalination plant and then take a boat trip to see Rottnest Island, where renewable energy is integrated into the water and energy management system via wind farming.

Darwin (1.5 days)

Understand issues and complexities associated with water quality, management and supply options to remote communities. Gain an insight into the water reuse scheme in the Alice which is helping to create employment and economic opportunities for the region.

Singapore (4 days - prior to SIWW 28th June)

Gain exposure to world leading water resource management in Singapore. Visit state of the art water reclamation plants, learn about the Singaporean approach to realising their dream of having a reservoir in the city and see optimal stormwater management solutions. Gain an insight into Singapore's '4 tap' water source integration model and experience their Water Hub initiative. Learn from years of practical experience.